

Manufacturer: LR ETANCO (FRANCE)

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Product name:

PERFIX 3 TH8 INOX A2 Ø 5,5 x L

Application:

Fastening of aluminium profiles on front aluminium brackets.

Description:

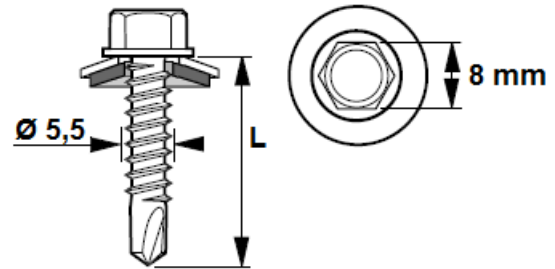
Self-drilling screw Ø 5.5 mm
Hexagonal head of 8 mm. Natural finish
Pitch = 1.81 mm.
Can be fitted with VULCA stainless steel washer Ø14 or 16 mm.

Drilling capacity (CP):

1,5 to 3 mm into aluminium.

Material:

Screw: Austenitic stainless steel A2 AISI 304 - 1.4301 - X5 Cr Ni
Washer: Stainless steel A2 + vulcanized EPDM, 2 mm thickness, 70 Shore A



Not contractual position marking

Material, coating and test of corrosion resistance:

- A2: Austenitic stainless steel A2 AISI 304

Corrosion resistance level determined by Kesternich test (sulphur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)

Resisted to more than 30 cycles before the appearance of red rust.

Salt spray test according to NF ISO 9227 (March 2007):

No trace of red rust after 1000 hours.

Drilling time Performance:

- Conditions:
- Test material : Structural steel S355 JR
 - Tools used : Drilling test with SCS Fein 6.3-19X power 400 W mini with torque limiter and depth control

Drilling test	Unit	Ø 4.8	Ø 5.5	Ø 6.3 & 6.5
Drilling time	s/mm	< 2	< 2	< 2
Speed rotate	rpm	2000 *	2000 *	2000 *
Axial load	daN	16	20	27

* Under load: 1800 rotations/min

Drilling Capacity, diameter, length (in mm) and packaging:

Drilling capacity	Ø x Length	CS Capacity of mini tightening	Assembly capacity CA maxi	Hex head TH	Packaging
1,5 to 3	5,5 x 19	-	7	8	100 units
1,5 to 3	5,5 x 25	-	13	8	100 units
1,5 to 3	5,5 x 60	-	46	8	100 units
1,5 to 3	5,5 x 70	-	56	8	100 units

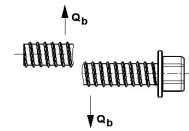
Tensile test value (value in daN):

$\bar{x} = 784 \text{ daN}$



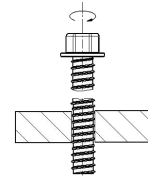
Shear test value – 0.6 x Rm (value in daN):

$\bar{x} = 470 \text{ daN}$



Breaking torque value (in Nm):

$\bar{x} = 7.5 \text{ Nm}$



Pull out test values (Pk in daN) – According to NF P 30-310

Thickness of the support (mm) Aluminium 6060 T5		
2 mm	2.5 mm	3 mm
211	376	425
Important: these values do not include safety coefficients		



Recommended setting tools:

Screwing toll FEIN SCS 6.3 -19X power 400 W mini with torque limiter and depth control
Screw Tip: socket with 8 mm imprint hex head hollow

Marking - Labelling:

PERFIX 3 TH8/ INOX A2 – Ø 5,5 x L + CODE
PERFIX 3 TH8/ INOX A2 – Ø 5,5 x L + VI 14 + CODE
PERFIX 3 TH8/ INOX A2 – Ø 5,5 x L + VI 16 + CODE

Quality control:

ISO 9001 : 2015